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10/796,998	03/11/2004	Stanislav M. Snair	000417.00019	4647

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EXAMINER
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LOPEZ, CARLOS N

ART UNIT	PAPER NUMBER
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1731

MAIL DATE	DELIVERY MODE
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09/11/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/796,998

Applicant(s)

SNAIDR ET AL.

Examiner

/Carlos Lopez/

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 06 July 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 10 and 11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 10 and 11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- ☐ Notice of Informal Patent Application
- ☐ Other: \_\_\_\_\_.

***Terminal Disclaimer***

The terminal disclaimer filed on 7/6/07 disclaiming the terminal portion of any patent granted on this application, which would extend beyond the expiration date of US 6,371,127 has been reviewed and is accepted. The terminal disclaimer has been recorded.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 10 and 11 rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Valdez (US 4,685,477). Valdez discloses cigar or cigarette holder capable of receiving a cigar or cigarette and

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for filtering smoke generated from the cigar or cigarette. The holder has three chambers. The first chamber defined by the space between a perforated tubular member, concentrically situated around a perforated inner tubular member, and the inner tubular member. The first chamber is substantially filled with a filter material. The second and third chambers are within the inner tubular member, substantially coaxially aligned and separated by a wall having an aperture to transfer ash from the second chamber to the third chamber. The claimed non-combustible tubular member is deemed as element 25, which as noted in Col. 3, lines 10 made be made of porcelain, a known ceramic, which is non-combustible. Element 25 as shown in figure 3 encases the tobacco charge which is deemed as the tobacco rod 14. In regards to claim 11, the perforation 26 provide for the claimed porosity.

As noted by Valdez, the plurality of air intake spaces, perforations 26, is useful for enabling the ember end of the cigar or cigarette to burn. As the smoker puffs or draws on the primary smoke filter end of the cigar or cigarette, air may be drawn into the second and third chambers through the air intake spaces to enable the ember to burn. In this manner, sufficient air is provided for burning of the tobacco to generate smoke. Valdez teaches that varying the size and/or number of the air intake spaces to control the rate at which the ember end of the cigar or cigarette burns is possible. In this manner, the cigar or cigarette may be made to burn slower and therefore last longer than if smoked without the use of Valdez device. Thus the perforations 26, as noted by Valdez, reduces the free-burning rate of the burning tobacco in order to

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increase the number of puffs from the burning tobacco charge as instantly claimed by applicant.

In view that the tubular member 25 has a certain porosity as determined by the size and number of perforations 26, the sidestream smoke is minimized when compared to a cigarette not enclosed by the tubular member 25 of Valdez.

Moreover, in view that the Valdez provides the claimed structural limitations as recited in device claims 10 and 11, it would be obvious to a person of ordinary skill in the art as noted above to have met the claimed functions.

Alternatively, Valdez inherently provides the claimed features recited in claims 10-11 by encapsulating a cigarette with glass material having a specified number of perforations and perforation size. The encapsulation of the cigarette inherently minimizes the amount of sidestream smoke and at the same time reduce the free burn rate of the cigarette, due to less air being supplied to the burning cigarette, in order to increase the number of puffs from the burning tobacco charge as instantly claimed.

### ***Response to Arguments***

Applicant's arguments filed 7/6/07 have been fully considered but they are not persuasive. Applicant argues the following:

"Applicants respectfully traverse this rejection. Perforations 26 do not serve to throttle the amount of air drawn into the core of the tubes. Rather, Applicants respectfully submit that elements 26 are "air outlet means" which serve as the exhaust pores through which air filtered of random smoke (e.g. sidestream smoke) escapes or is released (see Column 5, lines 7-15)."

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"Further, contrary to the assertions in the Office Action, the filter material in the first chamber formed by the concentric tubes of Valdez that minimizes the sidestream smoke (see Column 4, lines 38-68); the perforations 26 simply act as exhaust pores (see Column 5, lines 7- 15)."

"In contrast, the claimed invention utilizes "a means" in claim 1 O, and specifically porosity in Claim 11, for both minimizing sidestream smoke and reducing the free-burn rate. Valdez requires two separate elements to achieve each of these effects."

MPEP 2114 notes the following:

The instant claims require a of "tubular material...having means for both minimizing sidestream smoke...and reducing free-burn rate."

The MPEP notes that where means plus function language is used to define the characteristics of a machine or manufacture invention, such language must be interpreted to read on only the structures or materials disclosed in the specification and "equivalents thereof" that correspond to the recited function.

In the instant case, the means plus function limitation has been given the structural limitations set forth in pages 5-6 of the specification and any equivalent thereof. Applying the noted standard, the mean plus function has been accorded to define a tubular element having pores. In the instant case Valdez discloses such ceramic tubular element having pores 26.

MPEP 2114 notes the following:

While features of an apparatus may be recited either structurally or functionally, claims directed to an apparatus must be distinguished from the prior art in terms of structure rather than function. In re Schreiber, 128 F.3d 1473, 1477-78, 44 USPQ2d 1429, 1431-32 (Fed. Cir. 1997) (The absence of a disclosure in a prior art reference

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relating to function did not defeat the Board's finding of anticipation of claimed apparatus because the limitations at issue were found to be inherent in the prior art reference); see also *In re Swinehart*, 439 F.2d 210, 212-13, 169 USPQ 226, 228-29 (CCPA 1971); *In re Danly*, 263 F.2d 844, 847, 120 USPQ 528, 531 (CCPA 1959).

"Apparatus claims cover what a device is, not what a device does." *Hewlett-Packard Co. v. Bausch & Lomb Inc.*, 909 F.2d 1464, 1469, 15 USPQ2d 1525, 1528 (Fed. Cir. 1990) (emphasis in original)."

Applicant has not provided any structural differences between Valdez and Applicant's claimed invention. Applicant incorrectly emphasizes distinction by function when in fact applicant should be distinguishing the claimed invention by structural features.

If applicant feels that a ceramic tube having pores is not at the very least an "equivalent thereof" of the claimed means for limitation, applicant is invited to provide the structural feature that defines "tubular material...having means for both minimizing sidestream smoke...and reducing free-burn rate."

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carlos Lopez whose telephone number is 571.272.1193. The examiner can normally be reached on Mon.-Fri. 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on 571.272.1189. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Carlos Lopez/



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Primary Examiner  
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